

METHOD AND APPARATUS FOR DETECTING HYBRIDIZATION REACTION

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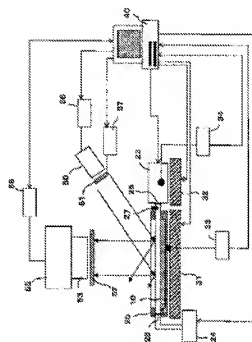
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PROBLEM TO BE SOLVED: To detect and determinate only a specific bond due to hybridization.
SOLUTION: A biochip 10, on which a large number of probe biopolymers are spotted, is housed in a container 20 and a washing liquid is allowed to flow from an infusion device 23. The temperature of the biochip is controlled according to a predetermined time pattern by a heat block 31 and the image of the spotted surface of the biochip is picked up at a determined time interval by an image pickup means 55. A plurality of images picked up by the image pickup means are stored in a computer 40 and analyzed with respect to individual spots to detect hybridization with respect to all of spots with high reliability without receiving the effect of the optimum temperature of hybridization different at every spot corresponding to the kind of a probe.



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